

IN THE CLAIMS

Please cancel claim 1. Claims 2-20 were canceled in an earlier Preliminary Amendment. Please enter new claims 21-40 as follows:

Claims 1-20: (Cancelled)

21. (New) A method for producing a precise prefabricated concrete part in the form of a plate for a fixed track for rail guided vehicles, comprising using a grooved roller to grind connection surfaces for add on elements of the fixed track into the prefabricated concrete part at relevant points along the concrete part, the grooved roller defining the connection surfaces to desired predetermined dimensions.

22. (New) The method as in claim 21, comprising grinding the connection surface with the grooved roller in a first roughing process, and in a subsequent planning process to achieve final precise dimensions of the connection surface.

23. (New) The method as in claim 22, further comprising adjusting the dimensions of the grooved roller between said roughing and planning processes.

24. (New) The method as in claim 21, further comprising hardening the prefabricated concrete part after pouring and prior to said grinding process.

25 (New) The method as in claim 21, wherein the connection surfaces are supporting points for installation of a rail of the fixed track for the rail guided vehicle.

26. (New) The method as in claim 21, further comprising positioning the prefabricated concrete part in a defined position corresponding to its subsequent installed position for the grinding process.

27. (New) The method as in claim 26, wherein the prefabricated concrete part is held in the defined position free of tension.

28. (New) The method as in claim 21, further comprising determining relative wear of the grooved roller during the grinding process and presenting the grooved roller to the prefabricated concrete part as a function of the determined wear.

29. (New) The method as in claim 21, further comprising determining target dimensions of the connection surfaces and controlling the grinding process as a function of determined actual dimensions of the connection surface during the grinding process.

30. (New) The method as in claim 21, further comprising using the lowest connection surface in the prefabricated concrete part as a basis point of reference for grinding of other connection surfaces in the same prefabricated concrete part.

31. (New) The method as in claim 21, wherein the prefabricated concrete part is formed at least in part of fiber concrete.

32. (New) A device for production of a precise prefabricated concrete part in the form of a plate for a fixed track of a rail guided vehicle system, said device comprising a grinding machine with a grooved roller configured thereon to grind functionally relevant connection surfaces into the prefabricated concrete part for connection of add on elements, said grooved roller having dimensions corresponding to desired dimensions of the connection surfaces and being formed of a material that wears relative to the prefabricated concrete part.

33. (New) The device as in claim 32, wherein said grooved roller is formed at least in part of silicon carbide.

34. (New) The device as in claim 32, wherein said wear material is disposed on a steel shaft.

35. (New) The device as in claim 32, further comprising an adjusting device having a material selected to grind down said wear material of said grooved roller upon presentation of said grooved roller against said adjusting device to precisely define the dimensions of said grooved roller.

36. (New) The device as in claim 35, wherein said adjusting device material comprises a diamond coating.

37. (New) The device as in claim 32, wherein said grooved roller has a diameter between about 700 mm and about 400 mm.

38. (New) The device as in claim 32, further comprising a measuring system disposed to measure dimensions of the connection surfaces being ground into the prefabricated concrete part by said grooved roller.

39. (New) The device as in claim 38, wherein said measuring system also measures the dimensions of said grooved roller during the grinding process.

40. (New) The device as in claim 32, comprising a plurality of said grooved rollers such that a plurality of the connection surfaces can be ground into the prefabricated concrete part at the same time.